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HOWARD UNIVERSITY RECORD

Announcement

OF THE

HOWARD UNIVERSITY SCHOOL OF MEDICINE

WASHINGTON, D. C.

FORTY-FIRST ANNUAL SESSION

1908-9

WASHINGTON, D. C.

1908-9

Published by Howard University in January, March, June, November

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under Act of Congress of March 16, 1894*

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Term expires 1911.

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WILLIAM C. MCNEILL, M. D.,

SECRETARY AND TREASURER Medical Dept., 539 Florida Avenue, N. W.

HOWARD UNIVERSITY



FORTY-FIRST ANNUAL ANNOUNCEMENT

OF THE

SCHOOL OF MEDICINE,

INCLUDING

The Medical, Dental and Pharmaceutic Colleges,

Fifth and W Streets, Northwest,

WASHINGTON, D. C.

1908-9

Alumni desiring to receive the Announcement regularly should send
name and address to the Secretary

Calendar.



September 24, 25 and 26, 1908.

Thursday to Saturday. Examination for advanced standing.

September 28.

Monday. Examination for matriculation.

October 1.

Thursday. Opening of the session ; matriculation.

October 12.

Monday. Last day of registration.

November 25 to 28, inclusive.

Wednesday to Saturday. Thanksgiving holidays.

December 24, 1908, to January 3, 1909, inclusive.

Thursday to Monday. Christmas holidays.

February 22.

Monday. Holiday, Washington's Birthday.

Easter Holidays.

May 13.

Wednesday. Examinations begin.

May 28.

Friday. Commencement day.

CITY OF WASHINGTON:
R. BERESFORD, PRINTER, 618 F STREET, N. W.
1908.

HOWARD UNIVERSITY SCHOOL OF MEDICINE.

SPECIAL NOTICE.

The Committee of the American Medical Association on "Definition of Medical College in Good Standing" reported at the last meeting of the Association, June, 1908. The subjoined statement is their recommendation as to requirements. The attention of prospective medical students is invited to the fact that perhaps for the session of 1909-1910, and hardly later than that of 1910-11, these recommendations will, in all probability, go into effect, and such students would do well to make the necessary preparations to meet these requirements.

Requirements.

1. *Matriculation.*—For matriculation the medical college should require of each student:

(1) A certificate of good moral character, signed by two reputable physicians of the State in which the applicant resides; and,

(2) As evidence of satisfactory preliminary education, a medical student's matriculation certificate, issued by the State board of medical examiners or its authorized agent, this certificate to be issued on (A) acceptable credentials, or (B) on successfully passing a preliminary examination.

A. Acceptable Credentials.—(a) A degree from an accredited university or college of arts or science; or,

(b) A diploma from an accredited four-year high school, normal school or academy which required for admission eight years of study in the primary and intermediate grades and which furnished a preliminary education of at least 15 units (30 points or credits, or 75 counts), as given in the following outline (suggested by Dr. W. J. Means, chairman of the judicial council of the Association of American Medical Colleges):

STATEMENT OF ACADEMIC OR SECONDARY WORK FOR ADMISSION TO MEDICAL COLLEGE BY CREDENTIALS OR EXAMINATION.

Required Branches.

	Units.	Points.	Counts
Rhetoric and composition.....	1	2	5
History of English and American literature.....	1	2	5
Algebra, through quadratics.....	1	2	5
Geometry, plane.....	1	2	5
Latin, grammar and 4 books of Cæsar or equivalent	2	4	10
U. S. History and Civics.....	1	2	5
Physics, laboratory work.....	1	2	5
Total.....	8	16	40

Elective Branches.

Seven units, 14 points or credits, or 35 counts, to be selected from the following subjects. Not more than 2 units, 4 points or credits, or 10 counts from any one group :

Group 1 :

English Classics (College Entrance Examining Board list).....	2	4	10
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Group 2 :

Geometry, solid.....	.5	1	2.5
Trigonometry.....	.5	1	2.5

Group 3 :

Latin, Cicero (7 orations).....	1	2	5
Latin, Virgil (6 books).....	1	2	5

Group 4 :

German, grammar with 2 years' certified work...	2	4	10
French, grammar with 2 years' certified work.....	2	4	10
Spanish, grammar with 2 years' certified work...	2	4	10

Group 5 :

History, Greece and Rome.....	1	2	5
History, medieval and modern.....	1	2	5
History, England, half year's work.....	.5	1	2.5
History, France, half year's work.....	.5	1	2.5

Group 6 :

Biology, with laboratory work.....	1	2	5
Botany, with laboratory work.....	.5	1	2.5
Zoölogy, with laboratory work.....	.5	1	2.5
Physiology and Hygiene, with laboratory work...	1	2	5

Group 7 :

Chemistry, with laboratory.....	1	2	5
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Total	18	36	90
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A *unit* is the credit value of 36 weeks' work of 5 recitation periods per week, each recitation period to be of not less than 45 minutes.

A *point* is the credit value of 18 weeks' work of 5 recitation periods per week, each recitation period to be of not less than 45 minutes.

A *count* is the credit of one recitation period per week of not less than 45 minutes through 36 weeks.

It is urged that within a reasonable time the minimum requirements as given in paragraph (b) will be enlarged to include an additional year in university physics, chemistry, biology and a reading knowledge of at least one modern language, preferably German or French.

HISTORY OF THE MEDICAL DEPARTMENT.

Howard University was chartered by act of Congress March 2, 1867. Section 5 of the charter provided that the University should "consist of the following departments * * * * fifth, medicine * * *." Already, January 8, 1867, a committee had been appointed to "consider a plan for a Medical Department." A number of meetings were held and reports were made, but it was not till April 13, 1868, that a sufficiently definite report was made under which the department was organized. The report provided that "The Medical Department of Howard University shall consist of a Medical School, Pharmaceutic School and a general Hospital" (See Howard University Medical Department, Washington, 1900, p. 5 *et seq.*). The first meeting of the Medical Faculty was held May 6, 1868. A plan for College and Hospital buildings was reported July 15. November 5 the first session was inaugurated by a public meeting at the First Congregational Church. The inaugural address was on the subject of "The opening of the study of the science of medicine to all persons without distinction of sex or race." The first class consisted of eight students, seven in medicine and one in pharmacy. The session ended March 1, 1869; there was none to graduate, and therefore no commencement. Sessions have since been regularly held. The Department has graduated to date 1,111 students—778 medical, 142 dental and 188 pharmaceutic. The sessions have been gradually lengthened until now they end June 1, and the number of years increased from two to four. The beginning of the Dental College may be put down as October 11, 1881, with the appointment of a Lecturer on Practical Dentistry to the medical class. The first regular session of the Dental School was in 1883-4.

In conformity with the spirit of the organic law of the University, the Medical Department, including the Medical, Dental and Pharmaceutic Colleges, is open to all persons, without regard to sex or race, who are qualified by good moral character, proper age and suitable preliminary education.

The forty-first annual session will begin October 1, 1908, and continue till June, 1909.

Washington City.

This city affords some peculiar facilities for the study of medicine and the allied subjects.

There are several *Libraries* containing medical books, which may be consulted by the students. That of the Surgeon General's Office, Seventh and B streets, S. W., contains over 150,000 works on medicine and the collateral sciences. The Library of Congress contains about 800,000 books, many of which are medical. The Patent Office Library also contains many books on medicine and the allied sciences. The reading rooms of these are open from 9 to 4.30 o'clock daily, except Sundays; those of the Library of Congress are open also on Sundays and in the evenings.

There are also *Museums* which are accessible to students. The Army Medical Museum, Seventh and B streets, S. W., is the finest of its kind

in the world. The specimens illustrate the diseases and injuries of both civil and military life, normal anatomy, both human and comparative, and medical, surgical and transportation appliances—in all about 25,000 specimens. Open daily, except Sundays, from 9 to 4.30 o'clock. The National Museum and Smithsonian Institution, situated in the Smithsonian grounds, is the largest and best collection in the country, illustrating the natural sciences. The specimens of *Materia Medica* are useful to medical and pharmaceutical students. Open daily, from 9 to 4.30 o'clock. The Museum of Hygiene, southeast corner of Eighteenth and G streets, N. W., is under the charge of the Surgeon General of the Navy, and contains, as the name indicates, illustrations of sanitary science. Open daily, except Sundays, from 9 to 4.30 o'clock. The Agricultural Department contains a museum of the products of agriculture, the Botanic Gardens a collection of plants of all countries and the Patent Office Museum models of surgical appliances.

Rooms and Board.

The janitor keeps a list of places where rooms and board may be obtained at reasonable prices.

Board may sometimes be procured at the University dining hall at \$9 per month ; and a room in the University building, if available, at \$22 a medical year, including steam heat and electric lights, students furnishing their own bed-clothing. For further information on this subject apply to Mr. Geo. H. Safford, Secretary of Howard University, Washington, D. C.

To Parents and Guardians.

Parents and guardians who wish the Faculty to exercise some supervision over their children and wards should notify the Secretary. Students should keep the Secretary informed of their residences and changes in the same, both in and out of the city, so that if necessary he may communicate with them at any time.

Discipline and Good Order.

Students are expected and required, while in and about the College and Hospital buildings, to conduct themselves in a quiet, orderly and gentlemanly manner ; and repeated violations of this rule will necessitate the expulsion of the offending students.

The College and Hospital Buildings.

The College is situated on W Street, N. W., between Fifth and Seventh Streets (Brightwood Avenue). The Le Droit Park cars pass by the buildings, and the Seventh Street, Ninth Street and U Street lines are within a few blocks, so that in ten minutes a student can reach the heart of the city. The College buildings contain the necessary lecture rooms and laboratories ; and the latter are well supplied with apparatus and

SCHOOL OF MEDICINE

7

material for instruction. The new hospital buildings, located in University Park adjacent to the College, are now occupied, and afford unexcelled clinical instruction. They accommodate 200 patients.

Graduation.

Eligibility for graduation will depend not only upon the fulfillment of the requirements set forth under the head of either College of this Department, but also on the *moral* character of the student. The Faculty reserves the right to reject a candidate for immoral conduct, especially repeated intoxication. For further information in regard to graduation in Medicine, Dentistry or Pharmacy, see under the head of each College.

Each student is obliged to attend at least 80 per cent. of the exercises in every course of study for which he seeks credit. No student shall be given credit on examinations unless he attains a grade of 75 per cent.; and no student shall be graduated unless he shall have attained a passing grade in each and all subjects of the required curriculum.

To Students from the British Possessions.

The Diplomas of the Medical Department of Howard University are accepted by Queen's College, Kingston, Ontario, admitting to the Senior Course.

Fees.

The College fees and cost of books, instruments, board, room, laundry and incidentals will hardly be less than \$200 per session of about thirty weeks.

Matriculates, <i>i. e.</i> , new students ; paid once.....	\$5.00
Medical College, per term.....	100.00
Dental College, per term.....	80.00
Pharmaceutic College, per term.....	80.00
Laboratory fee, first and second term, each.....	8.00
senior year.....	10.00
Graduation fee.....	7.00

All fees should be paid to the Treasurer of the Faculty, DR. MCNEILL, and are payable, half on registration, the other half on the first of the following January.

Parents should send money for tuition directly to the Secretary-Treasurer.

Lectures, Recitations, Etc.

Instruction is given in this school by didactic and clinical lectures, recitations and practical exercises. Students will not be allowed to absent themselves from lectures, recitations, laboratory work, clinical lectures, and other practical exercises of their respective years without sufficient excuse. Instructors keep a record of attendance and report to the Secretary of the Faculty.

Examinations will be held in the several subjects from time to time, due notice of which will be given. The minimum passing mark is 75. Absence from more than one-fifth of a course will render a student ineligible for examination. The hours of clinics are subject to change.

HOWARD UNIVERSITY

MEDICAL COLLEGE.

Faculty.*

REV. WILBUR P. THIRKIELD, D. D., University Hill,
President of the University.

ROBERT REYBURN, A. M., M. D., DEAN, 2129 F Street, N. W.,
Professor of Hygiene, Preventive Medicine and Dietetics.

E. A. BALLOCH, A. M., M. D., VICE DEAN, 1013 Fifteenth Street,
N. W.,
Professor of Principles and Practice of Surgery and Clinical Surgery.

WILLIAM C. MCNEILL, M. D., Secretary, 539 Florida Avenue,
*Associate Professor of Gynecology; Assistant Surgeon Freedmen's
Hospital.*

CHARLES B. PURVIS, A. M., M. D., Boston, Mass.,
Emeritus Professor of Obstetrics and Gynecology.

WILLIAM H. SEAMAN, M. D., 1424 Eleventh Street, N. W.,
*Professor of Chemistry and Toxicology, and Director of Chemi-
c Laboratory.*

NEIL F. GRAHAM, M. D., 909 New York Avenue, N. W.,
Emeritus Professor of Surgery, and Professor of Physical Diagnosis.

DANIEL S. LAMB, A. M., M. D., 2114 Eighteenth Street, N. W.,
Professor of Anatomy, and Demonstrator of Pathologic Anatomy.

JOHN E. BRACKETT, M. D., 1310 Rhode Island Avenue, N. W.,
*Emeritus Professor of the Principles and Practice of Medicine and
Clinical Medicine.*

GEORGE N. PERRY, M. D., 1316 Q Street, N. W.,
*Professor of Pediatrics and Clinical Pediatrics, and Associate Professor
of the Principles and Practice of Medicine and Clinical Medicine.*

J. MELVIN LAMB, M. D., D. D. S., 910 T Street, N. W.,
Professor of Physiology.

W. W. ALLEGER, M. D., Phar. D., 143 U Street, N. W.,
Professor of Bacteriology; Director of Bacteriologic Laboratory.

EDWARD D. WILLISTON, A. M., M. D., 1507 S Street, N. W.,
Associate Professor of Medical Jurisprudence.

COLLINS MARSHALL, M. D., 2507 Pennsylvania Avenue, N. W.,
Professor of Pathology and Clinical Microscopy.

*Some changes in the personnel of the Faculty are likely to be made before the next session.

SCHOOL OF MEDICINE

9

- CHARLES I. WEST, M. D., 924 M Street, N. W.,
Associate Professor of Anatomy.
- JOHN W. MITCHELL, M. D., Phar. D., 1516 New Jersey Ave., N. W.,
Associate Professor of Materia Medica and Therapeutics, and Clinical Assistant in Pediatrics.
- ROBERT SCOTT LAMB, M. D., The Cecil,
Professor of Ophthalmology and Director of Eye Clinic.
- AUSTIN M. CURTIS, A. B., M. D., Thirteenth and U Streets, N. W.,
Associate Professor of Surgery.
- HERBERT CLAY SCURLOCK, A. B., M. D., 531 Florida Ave., N. W.,
Associate Professor of Chemistry; Lecturer on Electro-Therapeutics.
- WM. A. WARFIELD, M. D., 1901 Eleventh Street, N. W.,
Professor of Abdominal Surgery; Surgeon in Charge Freedmen's Hospital.
- HENRY A. ROBBINS, M. D., 1750 M Street, N. W.,
Emeritus Professor of and Clinical Lecturer on Dermatology and Syphilology.
- PAUL BARTSCH, M. S., Ph. D.,
Professor of Histology, Director of Physiologic and Histologic Laboratories; Lecturer on Medical Zoology and Embryology.
- J. J. RICHARDSON, M. D., 1016 Fourteenth Street, N. W.,
Professor of Otology, Laryngology and Rhinology.
- WM. L. ROBINS, M. D., The Rochambeau,
Professor of Mental and Nervous Diseases.
- WILLIAM G. ERVING, M. D., 922 Seventeenth Street, N. W.,
Professor of Orthopedic Surgery.
- ALBERT RIDGELEY, M. D., 1543 M Street, N. W.,
Associate Professor and Demonstrator of Anatomy.
- ANNA BARTSCH-DUNNE, M. D., The Valois,
Associate Professor of Histology and Experimental Physiology.
- WILLIAM C. WOODWARD, M. D., LL. M., 508 I Street, N. W.,
Professor of Medical Jurisprudence.
- H. ATWOOD FOWLER, M. D., The Cumberland,
Professor of Genito-Urinary Diseases.
- JOHN B. NICHOLS, M. D., 1310 Rhode Island Avenue, N. W.,
Associate Professor of the Principles and Practice of Medicine.
- CARROLL A. BROOKS, M. D., 1321 T Street, N. W.,
Associate Professor of Physiology.

MARCUS W. LYON, JR., M. D., 48 V Street, N. W.,
Associate Professor of Physiology.

CHARLES H. BOWKER, M. D., 1310 Vermont Avenue, N. W.,
Associate Professor of Bacteriology.

WILLIAM A. JACK, M. D., 1423 T Street, N. W.,
Demonstrator of Practical Surgery.

ARTHUR J. HALL, M. D., 928 I Street, N. W.,
Clinical Assistant in Dermatology and Syphilology.

WILLIAM A. WELLS, JR., M. D., Phar. G., 1161 First Street, N. W.,
Assistant in Pathology.

JAMES F. JOHNSON, A. M., M. D., 208 O Street, N. W.,
Assistant Demonstrator of Anatomy.

Quiz Masters.

<i>Anatomy</i>	{ DR. WEST. DR. RIDGELEY.
<i>Physiology</i>	DR. BROOKS.
<i>Materia Medica</i>	DR. CHARLES A. TIGNOR, 217 Twelfth Street, S. E.
<i>Therapeutics</i>	DR. MITCHELL.
<i>Chemistry</i>	DR. SCURLOCK.
<i>Histology</i>	DR. BARTSCH-DUNNE.
<i>Practice</i>	DR. CARYL BURBANK, 732 Thirteenth Street, N. W.
<i>Surgery</i>	{ DR. WARFIELD. DR. CURTIS.

Matriculation.

A blank form of application for admission to the school will be found on the last page of this Announcement. An applicant for admission should tear this out, fill out the blanks and send it to the Secretary of the Medical Faculty, Dr. W. C. McNeill, 539 Florida Avenue, N. W., Washington, D. C., not later, if possible, than the first of September. This is intended to prevent unqualified applicants from going to the unnecessary expense of coming to this city.

The conditions of matriculation to the *Medical College* are fixed by the Association of American Medical Colleges, of which this College is a member, and are as follows :

(a) A bachelor's degree from an approved college or university.

(b) A diploma from an accredited high school, normal school, or academy requiring for admission evidence of the completion of an 8-year course in primary and intermediate grades, and for graduation not less than three years of study embracing not less than two years (4 points) of foreign language, of which one must be Latin, two years (4 points) of mathematics, two years (4 points) of English, one year (2 points) of history, two years (4 points) of laboratory science, and six years (12 points) of further credit in language, literature, history or science.

SCHOOL OF MEDICINE

II

Or (c) An examination in the following branches :

A. Required, 18 points : Mathematics, 4 points ; English, 4 points ; History, 2 points ; Latin, 4 points ; Science (taken from physics, chemistry, botany, zoölogy), 4 points.

B. Optional, to 12 points : English, 2 points ; History, 6 points ; Language, 6 points ; Manual Training, 2 points ; Mechanical Drawing, 1 point ; Natural Science (botany, zoölogy), 2 points ; Physical Science (chemistry, physics), 2 points ; Trigonometry, 1 point ; Astronomy (1), Civics (1), Geology (1), Physical Geography (1), Physiology and Hygiene (1), Political Economy (1)—not more than 3 points accepted.

(A *point* in any subject in a high-school or academic course means not less than five periods per week of forty-five minutes each for eighteen weeks.)

Certificates from reputable instructors recognized by the Superintendent mentioned below may be accepted in lieu of any part of this examination.

This examination must be conducted by or under the authority of the superintendent of public instruction of this city. In no case can it be conducted by any person connected with the faculty, medical or otherwise, of this institution.

A student may be allowed to enter on his medical work conditioned in not more than six points, and these conditions must be removed by satisfactory examinations before he is allowed to enter on the second year of his medical course.

This College may honor the official credentials presented by students from other colleges having the standard requirements maintained by members of the Association, excepting for the fourth year of the course ; but may not admit a student to advanced standing without first communicating with the college from which such student desires to withdraw, and receiving from the dean of such college a direct written communication certifying to the applicant's professional and moral qualifications, and to the exact work he has done in said college.

Time credits may be given to students who have the necessary entrance requirements, and who are graduates or students of Colleges of Homöopathic or Eclectic Medicine, for such courses of instruction of the required duration as they have successfully fulfilled, excepting in the course of the fourth year, provided they pass satisfactory examinations in *Materia Medica* and *Therapeutics*. Credit may be given to the holder of a Bachelor's Degree from an approved college or university for any work in the medical branches which he has successfully completed in his college course, only so far as it is the full equivalent of corresponding work in the medical curriculum. The holder of such Bachelor's Degree may also be given time credits of not exceeding one year, provided that such student has had at least 40 hours in physics, 144 hours in chemistry, 24 hours in osteology, 292 hours in human or comparative anatomy, 124 hours in histology, 85 hours in embryology, 145 hours in physiology, and 46 hours in *materia medica* ; provided, that the applicant for such time credits satisfies the professors of the chairs mentioned in the medical school as to his proficiency in these first-year medical studies. Such student may be allowed to complete a course for the medical degree in not less than 31 months, provided he completes the remainder of the medical curriculum in that time.

Curriculum.

The curriculum comprises Anatomy, Physiology, Histology, Materia Medica, Pharmacology, Therapeutics, Electro-therapeutics, General Chemistry, Organic Chemistry, Toxicology, Obstetrics, Embryology, Practice of Medicine, Surgery, Minor Surgery, Hygiene, Dietetics, Pathology, Medical Zoology, Post Mortem Work, Clinical Microscopy, Bacteriology, Gynecology, Pediatrics, Ophthalmology, Otology, Dermatology, Laryngology, Rhinology, Mental and Nervous Diseases, Genito-Urinary Diseases, Physical Diagnosis and Medical Jurisprudence.

Students are required to attend at least four courses of lectures in separate years, and pass a satisfactory examination in each branch of study, before becoming eligible for the degree of Doctor of Medicine. The subjects of study for Freshmen are Anatomy, Physiology, Histology, Materia Medica, Pharmacology, Urinalysis and General Chemistry. For Sophomores, Anatomy, Embryology, Physiology, Therapeutics, Organic Chemistry, Toxicology and Bacteriology. For Juniors, Hygiene, Dietetics, Obstetrics, Practice of Medicine, Preventive Medicine, Electro-therapeutics, Surgery, Physical Diagnosis, Pathology, Medical Zoology and Clinical Microscopy. For Seniors, Practice of Medicine, Surgery, Gynecology, Pediatrics, Ophthalmology, Otology, other specialties and Medical Jurisprudence. Post mortem work as often as practicable, and available to all the classes. An examination will be held at the end of each year on the studies of that year, and the student shall not be eligible to promotion to the succeeding year if he fails to make 75 per cent. in the majority of the branches of the year for which he is examined. Students who fail in the Spring examination for promotion, may be re-examined in the following September.

Five Years' Course.

For those desiring it a five years or more course can be arranged. The main thing to be kept in view is that not less than four thousand hours must be given to the pursuit of the study of medicine before a student can be permitted to graduate.

Graduation.

Candidates for the degree of Doctor of Medicine shall be at least twenty-one years of age and of good moral character; shall have attended the course of lectures, &c., above described, at some regular medical college, the Senior course at least being at this school. They shall pass the final examinations, and shall have paid their fees in full. Students who have attended three courses of lectures in another school, affiliated with the Association of American Medical Colleges, may be examined for a degree on completing their senior course at this school, and shall be examined in all the senior branches and also in those branches which they have not previously passed. Students examined for a degree, who receive an average of less than 75 per cent. in both primary and ad-

vanced branches, may complete their examinations in all the other branches and receive credit for those they satisfactorily pass. Senior students who fail in their examinations must repeat their senior studies, and also the primary branches in which they have failed.

Lectures and Recitations.

In the lectures in *Anatomy*, the most important subjects from a medical and surgical point of view, will receive special attention, and will be illustrated by drawings, plates, models, the skeleton and dissections. The Freshman year will be devoted to Osteology, Arthrology and Myology; the Sophomore year to Angiology, Neurology, Splanchnology; Topographic Anatomy in the third year.

Lectures on *Physiology* will be amply illustrated by photographs and drawings, magnified by the stereopticon projection lantern, as well as by charts, models, experiments and the microscope.

The lectures on *Histology* will also be fully illustrated by plates and preparations. Students will receive special instruction in the methods of preparation of tissues for examination with the microscope, and in the microscopic examination of urine.

Lectures on *Materia Medica* will be illustrated by the crude drugs and pharmacal preparations and by botanical plates and specimens. The course will be divided so that Freshmen will take only *materia medica*; Sophomores, therapeutics. The lectures will be supplemented by prescription writing and blackboard illustrations. Students will be taught the metric system, and the analysis of prescriptions will form a prominent part of the instruction.

Instruction in *Chemistry* will be given by didactic lectures and laboratory work. The first will begin with a brief description of the laws of molecular forces, especially heat and specific gravity; then the principles relating to atoms, especially as illustrated by the gaseous elements; next the descriptive chemistry of those elements which are used in medicine, together with their salts, in which the special relations of these substances to the art of medicine will be carefully presented, including the toxicology of such substances as are entitled to particular notice as poisons. An examination will be held once a week on the subjects of the immediately preceding lectures. These are fully illustrated by apparatus and experiments. Freshmen are advised to pay particular attention to the properties of the elements and mode of obtaining them, especially the gases; also to the technical language of chemistry and general principles governing chemical reactions as illustrated by Fresenius' system of qualitative analytical work.

Sophomores will apply themselves to organic chemistry, beginning with the study of carbon and the general relations of the carbon compounds among themselves and to inorganic substances. The so-called inorganic compounds of carbon, especially CO_2 , are considered in this year, thus bringing all the chemistry of carbon and its compounds together. The latter are arranged, as usual, first the hydrocarbons, then the halogen compounds, and in succession the alcohols, aldehydes, ethers, ketones and acids.

The subjects of urine analysis and electricity are taken up in the third year, the scope of the latter being widened so as to embrace electro-therapy and x-ray technic. Urine analysis is taken up at the beginning of the session and continued until the Christmas holidays. The course consists of lectures and laboratory work. Each student is expected to make several analyses of specimens from the cases assigned to him for study in the hospital wards by the clinician.

The lectures in electricity will be amply illustrated by class-room experiments, and thorough instruction given in the methods of dealing with the various forms of electricity, the measurement and control of the current and its proper application. Clinics will be held to illustrate the therapeutic use of electricity and the x-ray, and the method of fluoroscopic examination and radiography. This department is well fitted out with the latest and most useful apparatus, the Wimshurst-Holtz Influence machine being one of the largest and best employed in this work, so that complete facilities for gaining a practical knowledge of electro-therapeutics are afforded.

Lectures on the *Practice of Medicine* will be illustrated by charts, diagrams and morbid specimens. The teaching will be largely in the form of recitations. It will be the object of this chair, so far as practicable, to select the clinical material offered by the hospital in such a way as will best elucidate and emphasize the didactic teaching.

Lectures on diseases of the *Eye* and *Ear* are illustrated by corresponding clinics, so that ordinary diseases and many unusual cases are brought theoretically and practically under the notice of the students. The use of the ophthalmoscope and the methods of adjusting glasses for errors of refraction are carefully taught.

Lectures on *Bacteriology* will consider the general principles of the subject and their application to hygiene, prophylaxis, diagnosis and therapeutics, and the more important diseases of known bacterial origin will receive special consideration.

Clinics are held as indicated in the program of hours.

Seniors and Juniors are required to attend the clinics, and their attendance must be certified to by the Clinicians before the students enter on their final examination. They will also be expected to act as clinical clerks and assist in the Pathological Laboratory.

Freedmen's Hospital.

The history of this hospital is exceedingly interesting and may be seen in full in the work previously quoted, "Howard University Medical Department," Washington, 1900, p. 8 *et. seq.* The hospital is the continuance of a hospital that was first established in 1862 for the freedmen, in East Washington; in the autumn of the same year the patients were transferred to new buildings between R and S and Twelfth and Thirteenth Streets, N. W. In January, 1865, these buildings were torn down and new ones erected on the triangle between L and M and Vermont Avenue on Fourteenth Street. In August of the same year the patients were transferred to buildings vacated by the army, Campbell General Hospital at Florida Avenue and Seventh Street, N. W. In 1869 the patients were moved into buildings on the grounds of Howard University.

On the square adjacent to that on which the medical college buildings stand have been erected new hospital buildings at a cost of nearly \$500,000, which accommodate about 200 patients, and are now occupied. The report of the hospital for the year ending June 30, 1907, shows the care of 2,519 in-patients, 4,631 out-patients, 808 surgical operations and 204 births.

Although the hospital was instituted for freedmen and refugees, whence its name, it has for many years received all classes of patients. A limited number of externes is appointed from among the students and of internes from the graduates, for the usual service performed by such persons and with the usual privileges.

Laboratory Work.

Facilities are provided for the study of *Practical Anatomy*. The dissecting rooms, under the charge of the Demonstrator, are commodious, well lighted and ventilated, and are open daily, except Sundays. No student will be permitted to take his final examination in anatomy who has not satisfactorily completed his dissections. Students are required to thoroughly dissect all parts of the human body before a certificate of proficiency will be given by the Demonstrator. The Demonstrators direct the work of the students and examine them thereon, keeping a record of the work.

The *Histologic* Laboratories are well lighted and ventilated, supplied with modern fixtures, and well equipped with microscopes and accessory apparatus, microtomes, etc., for the demonstration of general and special Histology. Students who are prepared and who desire to extend their studies beyond the prescribed course, may do so, under the direction of the professor in charge of the laboratories, paying only for the use of the apparatus required and specimens and reagents used.

Demonstrations in *Materia Medica* will be given in the pharmacal laboratory, where students may become familiar with drugs and their preparations.

The laboratory work in *Chemistry* will begin with the opening of the school, the first subject being blackboard exercises in writing equations, the use of the metric system, the proper method of making notes, exercises in specific gravity and arithmetical chemistry. The bench work begins with specific gravity, the making of the principal gases, and continues with qualitative analytical work, according to Fresenius. All laboratory work in the Sophomore year is quantitative, and, beginning with simple experiments in the separation of soluble and insoluble, organic and inorganic constituents, it continues with alkalimetry, volumetric and water analysis.

A course on *Operative Surgery* will be given on the cadaver. Bandaging will be taught on the manikin and living subject. Seniors will be given opportunity to perform minor operations in the dispensary clinics.

Senior students will be expected to attend *Obstetrical* cases in the hospital. They will be thoroughly instructed in vaginal examinations and methods of diagnosis by the Professor of Obstetrics and his Assistants.

The laboratories of *Bacteriology* and *Pathology* are well located and provided with microscopes and the necessary apparatus for the cultivation and study of micro-organisms, &c. Personal supervision and instruction will be given.

Post mortem examinations will be made as often as possible, and students will be required to attend and assist. This will afford an excellent opportunity for the study of both normal and morbid anatomy, as well as the steps of the operation itself.

Private Instruction.

Students desiring private instruction in any of the branches of the curriculum can make arrangements to that effect with members of the Faculty.

SUMMARY OF THE REGULAR FOUR YEARS' COURSE.

The graded curriculum is arranged as follows :

Freshman Year.

ANATOMY.—Lectures, 3 hours ; practical work, 6 hours ; recitation, 2 hours per week for the term.

HISTOLOGY.—Lecture, 1 hour ; laboratory work, 2 hours ; recitation, 1 hour per week for the term.

PHYSIOLOGY.—Lectures, 2 hours ; laboratory work, 2 hours ; recitation, 1 hour per week for the term.

MATERIA MEDICA AND PHARMACOLOGY.—Lectures, 2 hours ; laboratory work, 2 hours per week for the term.

GENERAL CHEMISTRY.—Lectures, 3 hours ; laboratory work, 2 hours per week for the term.

Sophomore Year.

ANATOMY.—Lectures, 3 hours ; recitation, 2 hours per week for the term.

PHYSIOLOGY.—Lectures, 2 hours ; laboratory work, 2 hours ; and recitations, 1 hour per week for the term.

THERAPEUTICS.—Lectures, 2 hours ; recitation, 1 hour ; laboratory work, 2 hours per week for the term.

ORGANIC CHEMISTRY AND TOXICOLOGY.—Lectures, 2 hours ; laboratory work, 3 hours per week for the term.

URINALYSIS.—1 hour per week for the term.

BACTERIOLOGY.—5 hours per week for the term ; lecture, 1 hour.

EMBRYOLOGY.—Lecture, 1 hour ; laboratory work, 2 hours per week for the term.

BANDAGING.—2 hours per week for part of the term.

TOPOGRAPHIC ANATOMY.—Lecture, 1 hour per week after March 1st.

Junior Year.

OBSTETRICS.—Lectures, 2 hours ; clinic, 2 hours ; recitation, 1 hour per week for the term.

SURGERY.—Lectures, 2 hours ; clinic, 6 hours ; recitation, 1 hour per week for the term.

PRACTICE OF MEDICINE.—Lectures, 2 hours ; clinic, 6 hours ; recitation, 1 hour per week for the term.

SCHOOL OF MEDICINE

17

PHYSICAL DIAGNOSIS.—1 hour per week for the term.

PATHOLOGY AND CLINICAL MICROSCOPY.—9 hours per week for the term.

PREVENTIVE MEDICINE, HYGIENE AND DIETETICS.—2 hours per week for the term.

ELECTRO-THERAPY.—1 hour per week for the term.

MEDICAL ZOOLOGY.—2 hours per week after January 1st.

Senior Year.

GYNECOLOGY.—Lectures, 2 hours; clinics, 4 hours; recitation, 1 hour per week for the term.

SURGERY.—Lectures, 2 hours; clinic, 6 hours; recitation, 1 hour per week for the term.

PRACTICE OF MEDICINE.—Lectures, 2 hours; clinics, 6 hours; recitation, 1 hour per week for term.

EYE.—Lectures, 2 hours per week from October 1 to January 1; clinics, 6 hours per week for the term.

MEDICAL JURISPRUDENCE.—1 hour per week for the term.

DERMATOLOGY AND SYPHILOLOGY.—Lecture, 1 hour; clinic, 1 hour per week for the term.

GENITO-URINARY.—Lecture, 1 hour; clinics, 4 hours per week for the term.

NEUROLOGY AND MENTAL DISEASES.—Lecture, 1 hour; clinic, 1 hour per week for the term.

EAR, NOSE AND THROAT.—Lecture, 1 hour; clinics, 2 hours per week for the term.

PHYSICAL DIAGNOSIS.—1 hour per week for the term.

ORTHOPEDICS.—1 hour per week for the term.

PEDIATRICS—Lecture, 1 hour; clinic, 1 hour per week for the term.

DENTAL COLLEGE.

(This College is a member of the National Association of Dental Faculties.)

Faculty.

REV. WILBUR P. THIRKIELD, D. D.,

President of the University.

ROBERT REYBURN, A. M., M. D., DEAN, 2129 F Street, N. W.,

Professor of Hygiene.

CLARENCE H. HOWLAND, D. D. S., VICE-DEAN, 825 Vermont Avenue, N. W.,

Professor of Special Dental Anatomy and Pathology, and in charge of Dental Clinics.

W. C. MCNEILL, M. D., Secretary, 539 Florida Avenue, N. W.

ANDREW J. BROWN, D. D. S., 1326 L Street, N. W.,

Professor of Operative Dentistry and Operative Technic.

H. PORTER DAVIS, D. D. S., 1912 Third Street, N. W.,

Professor of Prosthetic Dentistry, Dental Metallurgy and Prosthetic Technic.

C. SUMNER WORMLEY, D. D. S., 1533 Fourteenth Street, N. W.,

Lecturer on Crown and Bridge Work, and Superintendent of Dental Infirmary.

AMBROSE E. GASKIN, D. D. S., 1201 T Street, N. W.,

Demonstrator in Dental Infirmary.

FRED P. BARRIER, D. D. S., 1201 U Street, N. W.,

Assistant Demonstrator in Dental Infirmary.

WILLIAM H. SEAMAN, M. D., 1424 Eleventh Street, N. W.,

Professor of Chemistry, Toxicology, Metallurgy, and Director of Chemic Laboratory.

DANIEL S. LAMB, A. M., M. D., 2114 Eighteenth Street, N. W.,

Professor of Anatomy, and Demonstrator of Pathologic Anatomy.

J. MELVIN LAMB, M. D., D. D. S., 910 T Street, N. W.,

Professor of Physiology.

EDWARD A. BALLOCH, A. M., M. D., 1013 Fifteenth Street, N. W.,

Professor of Oral Surgery.

W. W. ALLEGER, M. D., Phar. D., 143 U Street, N. W.,

Professor of Bacteriology and Director of Bacteriologic Laboratory.

EDWARD D. WILLISTON, A. M., M. D., 1507 S Street, N. W.,

Associate Professor of Medical Jurisprudence.

SCHOOL OF MEDICINE

19

CHARLES I. WEST, M. D., 924 M Street, N. W.,
Associate Professor of Anatomy.

JOHN W. MITCHELL, M. D., Phar. D., 1516 New Jersey Avenue,
N. W.,
Associate Professor of Materia Medica and Therapeutics and Demonstrator of Pharmacology.

HERBERT CLAY SCURLOCK, A. B., M. D., 531 Florida Avenue,
N. W.,
Associate Professor of Chemistry.

PAUL BARTSCH, M. S., Ph. D.,
Professor of Histology, Director of Physiologic and Histologic Laboratories.

WILLIAM C. WOODWARD, M. D., LL. M., 508 I Street, N. W.,
Professor of Medical Jurisprudence.

ALBERT RIDGELEY, M. D., 1543 M Street, N. W.,
Associate Professor and Demonstrator of Anatomy.

ANNA BARTSCH-DUNNE, M. D., The Valois,
Associate Professor of Histology and Experimental Physiology.

CARROLL A. BROOKS, M. D., 1321 T Street, N. W.,
Associate Professor of Physiology.

CHARLES W. BOWKER, M. D., 1310 Vermont Avenue, N. W.,
Associate Professor of Bacteriology.

JAMES F. JOHNSON, A. M., M. D., 208 O Street, N. W.,
Assistant Demonstrator of Anatomy.

Curriculum.

The curriculum comprises Anatomy, Physiology, Histology, Materia Medica, Therapeutics, Chemistry, Toxicology, Metallurgy, Surgery, Operative and Prosthetic Dentistry, Dental Technic, Pathology, Bacteriology, Hygiene and Medical Jurisprudence.

The course is three years; the studies of the first year are the same as those of the medical students of the same year, with the addition of Operative Technic. During the *second* year the students must attend *all* the subjects of instruction if they wish to graduate at the end of the *third*. They will be examined at the end of each year in the corresponding branches; should they fail to pass or to be examined in any branch, they must continue attendance on the same during the ensuing year.

Graduation.

Each applicant for the degree of Doctor of Dental Surgery shall be 21 years of age, and of good moral character; shall furnish a certificate of regular attendance in the Dental Infirmary and Laboratory, and shall have attended three courses of lectures, etc., at some regular dental

college, the last course at least being at this school. Prior to the final examination, the student shall show specimens of operations on the natural teeth which have been performed in the College Infirmary; also at least one approved specimen case constructed at the College building to be deposited in the College collection. He shall produce certificates of proficiency from the Demonstrators in Anatomy and Dentistry and pass the final examinations in all branches.

Students from other dental colleges in the National Association of Dental Faculties may be admitted to advanced standing in this College.

Graduates in Medicine, who have not had at least two years' practice in Operative and Prosthetic Dentistry, are required to attend the lectures and engage in the practice work of these departments during two annual sessions previous to examination for the dental degree. They may be examined at the beginning of their course in the primary branches and surgery. If found proficient, they may then devote themselves to the especially dental branches; otherwise they will be required to attend upon those in which they are deficient, and be reexamined therein at the end of the course.

Graduates in pharmacy desiring the degree of Doctor of Dental Surgery are required to attend three courses in separate years, omitting Materia Medica and Chemistry, if, on examination at the beginning of their course, they are found proficient therein.

Lectures, etc.

What has already appeared under this heading in regard to the Medical College will apply in the corresponding branches to the Dental College.

The Professor of Dental Anatomy will give a condensed course on this subject, and, in conjunction with the Professor of Histology, teach thoroughly the latest theories relating to tooth structure. This course is fully illustrated by lantern slides, etc. The development of the teeth will be thoroughly taught and pains taken to bring out obscure points in pathologic impressions on the tooth germ. A course on Dental Jurisprudence has been added to the duties of this chair.

A thorough course on Pathology and Therapeutics will be given.

The Professor of Operative Dentistry will give a full course of instruction on all that appertains to his department, and will have all teaching by him demonstrated fully in the Dental Infirmary. The instruction in this chair is both didactic and practical. The professor and other instructors endeavor to demonstrate all approved methods of performing operations upon the teeth and surrounding tissues. The treatment of decay, the materials for filling teeth, and the most improved instruments and appliances used in operating upon the teeth are discussed. Frequent clinics are held at the Infirmary, and every available means is employed to make the students practically acquainted with this important branch of dental science.

Prosthetic Dentistry and Metallurgy will be taught both by lecture and demonstration by the professor of this chair and his assistants. The second or third-year students will be required to give special attention to plastic work—both rubber and cast dentures—their scientific construction

and anatomical articulation. The senior class will be fully instructed in crown and bridge work, swaged dentures, both for gold and continuous gum. The course in metallurgy will include demonstrations in the refining of gold, silver and mercury, the making of solders, gold lining for vulcanite work and preparing crystal gold by electro-deposit.

The Dental Infirmary.

The Infirmary is open the year round, daily, except Sunday, from eleven A. M. to five P. M. It is in charge of educated and experienced demonstrators. Here are taught in practice the theories set forth by the three chairs. Abundant clinical material is always at hand, and students are required to perform all operations in ordinary practice. No student is excused from this service. The outfit of the Dental Infirmary and of the laboratory is complete.

Students furnish their own instruments, except forceps, lathes and vulcanizers. Dental engines can be bought for from \$15.00 to \$36.00 apiece. A list of the necessary instruments will be furnished to first-year students, the cost of which will not exceed \$10.00.

Special pains will be taken to make the course of teaching practical and at the same time thorough.

No student can enter the senior class unless he has the certificate of the demonstrator and professor that he has attended the regular afternoon clinics during the session.

Dental students are required to dissect two parts.

The fact that the immense hospital of the University, with all its wealth of instruction, is free to the dental classes, and that this hospital is at the very doors of the College, makes the opportunity for study unsurpassed.

All friends of the College are requested to add to the collection of curiosities and abnormal specimens now accumulating. Dentists are reminded that the abnormal specimens lying idle in their cabinets may be of great benefit to the student.

Private instruction in dentistry will be given to students desiring it by members of the Dental Faculty.

PHARMACEUTIC COLLEGE.

Faculty.

REV. WILBUR P. THIRKIELD, D. D.,
President of the University.

ROBERT REYBURN, A. M., M. D., DEAN, 2129 F Street, N. W.

J. HERVÉ PURDY, Phar. D., VICE-DEAN, 2612 University Place,
Professor of Pharmacy, and in charge of Pharmaceutic Laboratory.

W. C. MCNEILL, M. D., Secretary, 539 Florida Avenue, N. W.

ARTHUR B. BURROWS, Phar. D., Eleventh and Pennsylvania Ave.,
S. E.,
Professor of Theory and Practice of Pharmacy.

ROBERT B. TYLER, M. D., Phar. D., 1329 T Street, N. W.,
Demonstrator in Pharmacy.

HARRY S. POPE, Phar. D., Freedmen's Hospital,
Demonstrator in Pharmacy.

WILLIAM H. SEAMAN, M. D., 1424 Eleventh Street, N. W.,
*Professor of Chemistry, Toxicology and Botany, and Director of
Chemic Laboratory.*

W. W. ALLEGER, M. D., Phar. D., 143 U Street, N. W.,
*Professor of Microscopy and Bacteriology; Director of the Bacteriologic
Laboratory.*

J. MELVIN LAMB, M. D., D. D. S., 910 T Street, N. W.,
Professor of Physiology.

HERBERT CLAY SCURLOCK, A. B., M. D., 531 Florida Ave., N. W.,
Associate Professor of Chemistry and Urinalysis.

CARROLL A. BROOKS, M. D., 1321 T Street, N. W.,
Associate Professor of Physiology.

CHARLES H. BOWKER, M. D., 1310 Vermont Avenue, N. W.,
Associate Professor of Bacteriology.

It is of great advantage to the students of pharmacy to attend a college where medicine, dentistry and pharmacy are taught simultaneously. Students of pharmacy have the benefit of thus associating with a large number of students in annual attendance, coming from all parts of the world, and, as students comprising the different schools are considered on an absolute equality, all have free access to the various clinics, etc., thus affording the students of pharmacy an exceptional opportunity of association with students pursuing studies so intimately related as the professions of pharmacy, medicine and dentistry.

Matriculants shall not be less than seventeen years old, and shall have

had one year's high-school work, satisfactorily completed, or its full educational equivalent.

Instruction will include didactic lectures, recitations and laboratory work.

The curriculum comprises Chemistry, Toxicology, Urinalysis, Botany, Materia Medica, Pharmacy, Pharmacology, Microscopy, Physiology, Therapeutics and Bacteriology.

The course in pharmacy comprises three sessions, each of not less than thirty teaching weeks' duration.

The First-Year Course in Pharmacy

will be devoted to the study of the various pharmaceutic processes and operations, commencing by giving the history of the United States Pharmacopoeia, method of revision, Pharmacopoeia nomenclature, pharmacy laws, etc., after which lectures upon weights and measures will be given. Special attention will be given to the system of Metric weights and measures, weighing and measuring, kinds of balances, principles of construction, care of and methods of using and testing.

The methods employed and apparatus used in determining specific gravity and its application to Pharmacy. Specific volume; dilution, fortification and mixing of alcohol to produce any desired strength. The computation of Averages and Proportions in mixing to produce any desired values. How to express, use and transpose Formulas in parts by weight. The reduction of Thermometric degrees to Fahrenheit, Centigrade or Reaumur. Apparatus for generating heat. Operations requiring high temperature and those requiring low temperature. Methods of regulating and modifying intensity by baths. Mode of conducting Evaporation by heat. Principle involved in the process of Distillation. Different forms of Sublimates and how obtained. Principles involved in construction of various mills and cutters for the Comminution of Drugs. Solution, Decantation, Colation, Lotion; Filtration and the different methods of conducting it by means of paper, cloth, pulp and heat, and illustrated by various kinds of apparatus and media. Clarification and Decolorization and Precipitation will be explained. Then will be considered Maceration, Digestion, Infusion and Decoction. Percolation follows next, and, owing to its importance, will be fully dwelt upon and explained. Each student will be required to make one or more of each class of preparations mentioned above.

After the lectures on processes are finished the following classification will be considered: Aqueous Solutions, Aqueous Solutions containing viscid substances, Alcoholic Solutions, Etherial Solutions, Oleaginous Solutions, Aqueous Liquids made by percolation and maceration; Powders, Masses, Confections, Pills and the various excipients used in making them; Cerates, Ointments, Plasters, Chartæ and Suppositories. The practical work done in the Pharmaceutic Laboratory follows closely the subject matter of the Junior Pharmacy Lectures, each student receiving individual attention and instruction from the Demonstrator. During the course each student will be drilled thoroughly in the various manipulations pertinent to practical pharmacy. Later on in the course the student will be required to prepare such pharmaceutic preparations as are in common use.

Second-Year Course.

This course will begin with lectures on the pharmacy of inorganic chemical substances, including the inorganic acids, which will be next included from a pharmaceutical standpoint; then the preparations of the Non-metallic Elements, next the Alkalies and their preparations, after which the Organic preparations of the *Materia Medica* will be lectured upon, beginning with the Cellulin group and including the Amylaceous and Mucilaginous principles and their products, Gums, Sugars, Ethyl Hydrate and Oxide and their preparations, Aldehyde and its preparations, Volatile Oils, &c.; then will follow the consideration of the Alkaloids and Glucosides, and the substances from the animal kingdom.

All preparations of each drug will be considered in detail. They will be treated in groups according to the nature of their active principles, solubility, volatility, and their other characteristics involved in the treatment to which the drug is subjected in making the preparations. In this way the student will get a natural arrangement of the subject, each drug being studied separately, showing the method of solution and separation of the various plant products, with the solvents of each, explaining the processes which they have to undergo, pointing out the difficulties likely to be encountered as well as the remedies thereof.

It will be the aim during the course to conduct the pharmaceutical laboratory in such a manner as to make it both interesting and comprehensive, developing the exercise of the faculties of observation and reasoning, not forgetting that good training in pharmacy includes the training of the hands to promptly and exactly obey the trained mind.

The laboratory exercises will follow closely the lectures, thus serving to illustrate the theoretical study and emphasize the practical points and important considerations of operative pharmacy.

Third-Year Course.

This course will be devoted to more advanced pharmacy than the preceding courses and will, in connection with the instructions afforded in the pharmaceutical laboratory, have a special bearing in fitting the student for active professional work. Prescription dispensing will enter largely into the instruction given during the course.

Prescriptions will be treated with especial reference to their construction, orthography, interpretation, posology, and in the magistral forms for the therapeutic uses met with in dispensing. Correct abbreviation will be noticed and how to surmount the many difficulties which frequently occur. Chemical and therapeutic incompatibles will be duly considered. Exercises in correct pharmaceutical nomenclature and latinity of pharmacopoeial titles. Computing quantities of materials and products in the preparation of galenical preparations, etc.

Magistral pharmacy will be entered into more fully than during the former courses, from the fact that under this head comes the most important instruction of pharmacy, since it embraces the principal amount of labor in the store, and calls for more tact, knowledge and skill than any other branch.

Practice will be afforded in applying the pharmacopoeial tests, that the students may become familiar with the methods of the identification and detection of impurities in official substances.

The pharmaceutical laboratory work will include the preparation of scaled and granular salts, solid and powdered extracts, with the mode of assay, fluid extracts, tinctures, resins, etc., solids for internal and external use, oleates, ointments and cerates, compressed tablets, tablet triturates, confections and lozenges, including pill-coating by various methods, some of the special official and non-official preparations of the National Formulary and other sources which require special art and skill on the part of the students will be prepared. It will be the aim to conduct the laboratory so that the demonstrator will see that a practical training in the *little* details attached to pharmacy as well as the more complex exertions are not overlooked, thus rendering it possible to supply in a great measure the practical instruction which is becoming more and more difficult for the workers to obtain in the pharmacies.

Pharmaceutic law will be dwelt upon to some extent, including those points of law wherein they affect the pharmacist. The various State and Territory requirements preliminary to registration will be considered.

The courses of instruction are graded or progressive, and the method of instruction includes lectures, recitations, quizzes, etc., with a monthly examination throughout the year in order to test the students and to enliven their interest in the various subjects.

The attendance of each student will be recorded. A written examination will be held once a month, the result of which, in connection with the examination at the end of the session, will prove the candidate's fitness to enter the second or third-year course.

Any student failing in a majority of the examinations which are held in all branches at the end of the year for advanced standing, will be required to repeat the work of that session. Those, however, who fail in one branch will be given an opportunity at the beginning of the following term to make up the deficiency.

Instruction in Botany will begin on the first Wednesday in October, with the study of the elementary tissues of which plants are composed and the manner in which these tissues are built up into roots, stems, leaves, flowers and fruits. Physiology and classification will then be considered, together with the collection and identification of fresh specimens. The second-year class will be expected to examine and compare samples of botanical drugs, so as to become acquainted with their appearance under the microscope as well as with the adulterations likely to occur in trade. The course will be copiously illustrated with lantern slides and microscopic specimens. "Bessey's Essentials of Botany" will be the text book used. Students, sometime during the course, must collect and prepare for preservation at least twenty-five specimens of our native plants.

Students in pharmacy will attend the lectures on urinalysis in their third year.

Graduation in Pharmacy.

Candidates for the degree of Doctor of Pharmacy shall be twenty-one years of age, and of good moral character; shall have attended three courses of lectures, laboratory courses, etc., in separate years, the last

course at least being at this school, and shall pass a satisfactory examination in each branch, including a rigid examination along practical lines, consisting of such work and tests as show fitness for graduation, and will extend over several days. It will include an oral examination in the presence of three or more of the Faculty.

Lectures, Etc.

What has already appeared under this heading, in regard to the Medical College will apply in the corresponding branches to the Pharmaceutical College.

The student is admonished that his conduct in the laboratory, his punctual attendance in his classes and interest shown in his work will have great weight with his instructors, while the lack of these qualities will certainly act against him.

Students will be required to have the necessary text books for each branch at the beginning of the session. It has been so arranged that only such books as are needed will have to be purchased at once.

Text Books Recommended.

May be obtained at the College at Catalogue prices.

Anatomy.—Piersol, Gray, Morris, Eckley's or Cunningham's Practical Anatomy, Young's Hand-book, Black's Dental Anatomy.

Bacteriology.—Park's Pathogenic Bacteria and Protozoa, 2d edit., for medical, Goadby for dental, Williams' Manual for pharmaceutic students. *Reference Books*, McFarland, Lehman & Newman, Sternberg, Hewlett, Abbott, Miller and Eyre's Technique, Lafar.

Botany.—Bessey's Essentials, Gray's Manual.

Chemistry.—Sadtler and Coblenz, two volumes, both required; Purdy's Practical Urinalysis, Gage's Elements of Physics. *Works of Reference*.—Watt's Dictionary, Richter's Organic Chemistry, Charles' Physiological Chemistry.

Dental Anatomy.—Black, Broomell's Anatomy and Histology of Mouth and Teeth.

Dental Pathology and Therapeutics.—Burchard, Gorgas' Dental Medicine.

Dental Surgery.—Guilford's Orthodontia, Kirk's American Text-book, Garretson's Oral Surgery.

Dentistry, Prosthetic.—Essig's American Text-book, Evans' Crown and Bridge Work, Richardson's Mechanical Dentistry, Hall's Chemistry and Metallurgy.

Dermatology.—Hyde, Shoemaker, Stellwagon, Jackson, Grindon and Gallaudet, Crocker, Norman, Walker, Pye-Smith.

Diagnosis.—Hare, Butler.

Dictionary, Medical.—Gould, Duane, Dunglison, Dorland.

Dietetics.—Pattee.

Electro-Therapeutics.—Turner "Medical Electricity;" Massey and Bigelow International System; Hedley's "Therapeutic Electricity;" Massey's "Conservative Gynecology and Electro-Therapeutics."

Embryology.—Heisler, McMurrich, Minot.

Genito-Urinary.—White and Martin, Lydston, Hayden.

Gynecology.—Gilliam, American Text-book, Garrigues, Penrose, Skene, Dudley, Montgomery, Davis' Gynecological Nursing, Ashton, Hirst, Webster, Bovée.

Histology.—Piersol, Sterling, Boehm and Davidoff.

Hygiene.—Harrington, Berguy, Rohé, 3d ed.

Medical Jurisprudence.—Bray, Taylor, Reese.

Laryngology.—Bosworth, Cohen, Ingals.

Materia Medica.—White and Wilcox.

Nervous and Mental Diseases.—Church and Peterson, Potts; *for reference*, Oppenheim. *Psychiatry*.—Mendel, Paton; *for reference*, Krafft-Ebing.

Obstetrics.—Edgar, Garrigues, Grandin and Jarman, Davis, Hirst, Jewett, Dorland, Schaeffer's Hand Atlas, Saunder's Atlases, Webster.

Ophthalmology and Otology.—Nettleship, Fuch's, Jackson or Swanzy on the Eye; Coakley, Gleason or Kyle on Nose, Throat and Ear; Kyle, Douglass or Grayson on Nose and Throat; Barnhill and Wales' Modern Otology; Oppenheimer or Dench on the Ear.

Pathology.—Green, American Text-book, McFarland, Coplin.

Pediatrics.—Carr, Taylor and Wells, Ruhiah, Hecker-Prumpp Hand Atlas.

Pharmacy.—Remington's Practical Pharmacy, U. S. Dispensatory, 19th ed., U. S. Pharmacopoeia. *Works of Reference*.—Robinson's Latin Grammar of Pharmacy, Coblentz' Handbook of Pharmacy, Casparais' Pharmacy, Scovill's Art of Compounding, National Formulary, 3d ed.

Physiology.—Tigerstedt, Flint, Raymond, Brubaker.

Practice of Medicine.—Osler, Anders, Steven's Manual, Tyson, Eichhorst, Salinger & Kalteyer's Modern Medicine. *No compends*.

Surgery.—Park, Da Costa, Lexer and Bevan, Rose and Carless. International Text Book.

Therapeutics.—Hare, Wood, Butler, Shoemaker, Potter.

Toxicology.—Wormley's Microchemistry.

Urinalysis.—Purdy, Tyson, Saxie.

Text books, Medical or Dental, for the first year cost about \$25.00; second year, \$30.00; third year, \$25.00; and fourth year, \$30.00. The cost of text books for the course in pharmacy is about \$25.00.

Students must provide themselves with the necessary text-books. Each professor will examine the students in his class and report anyone not having a text-book. Students without the necessary text-books will not be admitted to their classes until provided therewith.

POST-GRADUATE SCHOOL AND POLYCLINIC FOR MEDICINE AND DENTISTRY.

The Medical Faculty desires to inform the Alumni of the Medical and Dental Colleges of Howard University, and the profession throughout the country and the British West Indies, that the third session of the Howard University Post-Graduate School and Polyclinic will begin May 9th, 1909, and continue six weeks for the Medical Course and four weeks for the Dental Course.

Requirements for Admission.

This School of Instruction is exclusively for members of the Medical and Dental professions whose credentials are satisfactory.

Instruction.

The instruction will be personal, thorough and exact. Every general practitioner who desires to keep abreast of the great advance in Medicine, Dentistry and Surgery should spend a few weeks each year in such a school. The opportunity for clinical instruction is unsurpassed, as the material will be obtained from the wards of the new Freedmen's Hospital and the outdoor clinics.

Course of Study.

There will be a special course in Surgery, Gynecology, Bacteriology, Pathology, Clinical Medicine, Physical Diagnosis, Ophthalmology, Otology, Laryngology, Rhinology, Mental and Nervous Diseases, Post-mortem Work, Physical Therapeutics—including Electro-Therapeutics, X-Ray Work, Finsen Light, etc.

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Fees.

The fees will be as follows: For the entire Medical Course, \$100.00; for the entire Dental Course, \$40.00; Surgery alone, \$30.00; Gynecology alone, \$20.00; for any other one subject, \$15.00; each additional subject, \$15.00. These fees must be paid in advance. Breakage in laboratories at cost price.

For additional information apply to DR. W. C. MCNEILL, SECRETARY, 539 Florida Avenue.

HOWARD UNIVERSITY

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ROBERT REYBURN, A. M., M. D., Dean, *Prof. Hygiene, Preventive Medicine and Dietetics.*

E. A. BALLOCH, M. D., Vice Dean, *Prof. Surgery and Clinical Surgery.*

WM. C. MCNEILL, M. D., Secretary, *Prof. Clinical Gynecology*

SURGERY :

A. M. CURTIS, A. M., M. D., *Prof. Clinical Surgery.*

WILLIAM A. JACK, M. D., *Demonstrator of Practical Surgery.*

OPERATIVE GYNECOLOGY :

J. TABER JOHNSON, A. M., M. D., Ph. D., *Prof. Gynecologic Pelvic Surgery.*

WILLIAM A. WARFIELD, M. D., *Prof. Abdominal Surgery.*

GENITO-URINARY DISEASES :

H. A. FOWLER, M. D., *Prof. Genito-Urinary Diseases.*

OPHTHALMOLOGY :

ROBERT SCOTT LAMB, M. D., *Prof. Ophthalmology.*

PRACTICE OF MEDICINE :

GEO. N. PERRY, M. D., *Prof. Pediatrics and Clinical Pediatrics.*

JOHN B. NICHOLS, M. D., *Prof. Clinical Medicine.*

FREDERICK E. MAXCY, M. D., *Prof. Clinical Medicine.*

LABORATORY WORK IN CLINICAL MEDICINE :

PROFS. MARSHALL and ALLEGER.

PHYSICAL DIAGNOSIS :

NEIL F. GRAHAM, M. D., *Prof. Physical Diagnosis.*

PATHOLOGY :

COLLINS MARSHALL, M. D., *Prof. Pathology and Clinical Microscopy.*

LARYNGOLOGY, RHINOLOGY, OTOTOLOGY :

J. J. RICHARDSON, M. D., *Prof. Laryngology.*

ORTHOPEDIC SURGERY :

WILLIAM G. ERVING, M. D., *Prof. Orthopedic Surgery.*

OPERATIVE DENTISTRY AND ORTHODONTIA :

ANDREW J. BROWN, D. D. S., *Prof. Operative Dentistry; Operative Technic.*

PROSTHETIC DENTISTRY AND METALLURGY :

H. PORTER DAVIS, D. D. S., *Prof. Prosthetic Technic, Metallurgy, Extractions, Anesthesia and Pathology.*

CLARENCE H. HOWLAND, D. D. S., *Prof. Special Dental Pathology, and Anatomy.*

DENTAL INFIRMARY :

C. SUMNER WORMLEY, D. D. S., *Demonstrator Crown and Bridge Work, and Superintendent of Dental Infirmary.*

BACTERIOLOGY :

W. W. ALLEGER, M. D., Phar. D., *Prof. Bacteriology; Director of Laboratory.*

MENTAL AND NERVOUS DISEASES :

WILLIAM L. ROBINS, M. D., *Prof. Mental and Nervous Diseases.*

DERMATOLOGY AND SYPHILOLOGY :

A. J. HALL, M. D., *Prof. Dermatology and Syphilology.*

PHYSICAL THERAPEUTICS :

Including Electro-Therapeutics, X-Ray Work, Finsen Light, etc.

WILLIAM H. SEAMAN, M. D., *Prof. Chemistry and Toxicology, and Director of Chemical Laboratory.*

HERBERT C. SCURLOCK, A. B., M. D., *Prof. Chemistry and Urinalysis; Lecturer on Electro-Therapeutics.*

POST MORTEM :

DANIEL S. LAMB, A. M., M. D., *Prof. Anatomy and Pathologic Anatomy.*

Post-Graduate and Polyclinic Students, 1908.

SURGERY AND GYNECOLOGY :

Brooks, Carroll A., *M. D.*
Burwell, L. L., *M. D.*
Johnson, James F., *A. M., M. D.*
McClellan, John W., *A. B., M. D.*
Macon, I. A., *M. D.*
Tignor, Charles A., *Phar. D., M. D.*

Washington, D. C.
Selma, Ala.
Washington, D. C.
St. Louis, Mo.
Rock Hill, S. C.
Washington, D. C.

OBSTETRICS :

Gill, Lee A., *M. D.*

Washington, D. C.

GYNECOLOGY :

Whipper, Ione R., *M. D.*

Clarksburg, W. Va.

SCHOOL OF MEDICINE

GRADUATES—1907-1908.

MEDICAL COLLEGE.

Cashin, Newlyn E.	Decatur, Ala.
Davis, Calvin P.	Marshall, Texas.
Gill, Lee A.	Washington, D. C.
Gordon, C. Arthur A.	Philadelphia, Pa.
Graves, Allen B., <i>A. B., Dartmouth</i>	Lynchburg, Va.
Haig, William H.	Charleston, S. C.
Hargrove, Henry C.	Sewell, W. Va.
Hilton, Thomas H., <i>A. B., Fisk</i>	New York, N. Y.
Logan, Robert A.	Jamaica, B. W. I.
McConney, Edward St. C.	Barbados, B. W. I.
Martin, Ulysses G. B.	Washington, D. C.
Mellon, Charles L.	Gibbsland, La.
Penn, Laura A.	Bedford Co., Va.
Porter, James A.	Washington, D. C.
Proctor, Jesse E.	Newark, N. J.
Seabrook, Jesse M., <i>Phar. D., Howard</i>	Columbia, S. C.
Sewell, Richard G.	Chattanooga, Tenn.
Smith, John J.	Washington, D. C.
Sohon, Elizabeth	Washington, D. C.
Starks, Bennette M.	Eagle Rock, Va.
Thomas, George W., <i>Phar. D., Howard</i>	Smithfield, Va.
Washington, William H., <i>A. B., Howard</i>	
White, William E.	Gloucester Point, Va.
Wilson, Edmund C.	Harrisburg, Pa.
	Jamaica, B. W. I.

DENTAL COLLEGE.

Anderson, Benjamin J., <i>B. S., Shaw</i>	Birmingham, Ala.
Connell, Austin C.	Jamaica, B. W. I.
Fraser, Stanley A., <i>Phar. G.</i>	Jamaica, B. W. I.
Graham, Cyril	Barbados, B. W. I.
Wint, Amos O.	Jamaica, B. W. I.

PHARMACEUTIC COLLEGE.

Bailey, Paul N.	Fayetteville, N. C.
Baskerville, William H.	Boydton, Va.
Butcher, George H.	Carlisle, Pa.
Ford, William H.	Corpus Christi, Tex.
Forsythe, William A.	Augusta, Ga.
Houston, Evelyn G.	Atlanta, Ga.
McNeill, Luther E., <i>A. B., Howard</i>	Wilmington, N. C.
Matthews, Richard W.	Petersburg, Va.

SCHOOL OF MEDICINE—MEDICAL COLLEGE.

Seniors.

Cashin, Newlyn E.	Decatur, Ala.
Coleman, William C., <i>A. B.</i> , <i>V. N. C. I.</i>	Petersburg, Va.
Davis, Calvin P.	Marshall, Texas.
Gill, Lee A.	Washington, D. C.
Gordon, C. Arthur A.	Philadelphia, Pa.
Graves, Allen B., <i>A. B.</i> , <i>Dartmouth</i>	Lynchburg, Va.
Haig, William H.	Charleston, S. C.
Hargrove, Henry C.	Sewell, W. Va.
Hilton, Thomas H., <i>A. B.</i> , <i>Fisk</i>	New York, N. Y.
Little, William B.	New Orleans, La.
Logan, Robert A.	Jamaica, B. W. I.
McConney, Edward St. C.	Barbados, B. W. I.
McGuire, Charles A.	Antigua, B. W. I.
Martin, Ulysses G. B.	Washington, D. C.
Mellon, Charles L.	Gibbsland, La.
Penn, Laura A.	Bedford Co., Va.
Porter, James A.,	Washington, D. C.
Proctor, Jesse E.	Newark, N. J.
Seabrook, Jesse M., <i>Phar. D.</i> , <i>Howard</i>	Columbia, S. C.
Sewell, Richard G.	Chattanooga, Tenn.
Smith, John J.	Washington, D. C.
Sohon, Elizabeth	Washington, D. C.
Starks, Bennette M.	Eagle Rock, Va.
Thomas, George W., <i>Phar. D.</i> , <i>Howard</i>	Smithfield, Va.
Wainwright, Chester D.	Charleston, W. Va.
Washington, William H., <i>A. B.</i> , <i>Howard</i>	Gloucester Point, Va.
White, William E.	Harrisburg, Pa.
Wilson, Edmund C.	Jamaica, B. W. I.

Juniors.

Bailey, William E.	Accomac Co., Va.
Bovell, Alfred Ernest	New York, N. Y.
Brown, William A.	Augusta, Ga.
Browne, William H.	Meyersdale, Pa.
Carter, John S., <i>A. B.</i> , <i>Howard</i>	Wilmington, N. C.
Coleman, Alexander B., <i>Phar. D.</i> , <i>Howard</i>	Washington, D. C.
Daley, James N.	Jamaica, B. W. I.
Dodd, John H., <i>A. B.</i> , <i>Howard</i>	Dallas, Tex.
Douglass, Haley G., <i>A. B.</i> , <i>Harvard</i>	Washington, D. C.
Gaskin, Dudbrook K.	Barbados, B. W. I.
Harris, Alfred W., Jr.	Petersburg, Va.
Harris, Harrison L., Jr.	Richmond, Va.

SCHOOL OF MEDICINE

35

Henry, William W. M.	Greensboro, Md.
Holt, Charles W.	Brazil, Ind.
Jackson, Philip C.	Jamaica, B. W. I.
Megahy, Kenneth C.	New York, N. Y.
Morse, George S., <i>A. B., Fisk</i>	Laurel, Miss.
Morton, Edward T.	Washington, D. C.
Nash, Ira E.	Richmond, Va.
Norwood, Harold M.	Washington, D. C.
Pettis, Kyle M.	Rudford, Va.
Price, George O.	Washington, D. C.
Quander, John T.	Washington, D. C.
Quick, Frederick D.	Sanford, N. C.
Smith, Edward J.	Savannah, Ga.
Smith, Silas L.	New Orleans, La.
Smith, Thomas C.	New Orleans, La.
Spellman, Frank J.	Franklin, La.
Tarleton, William A.	Washington, D. C.
Taylor, James E. H., <i>A. B., V. N. C. I., Phar. D., Howard</i>	Rappahannock Academy, Va.
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Thompson, Edward B., Jr.	Columbia, S. C.
Watson, Ernest A. D.	Jamaica, B. W. I.
Young, Ripley M.	Olmstead, Ill.

Sophomores.

Allen, Charles A.	New York, N. Y.
Ayers, John H.	Wilmington, Del.
Bagley, Joliet C., <i>A. B., Howard</i>	Jacksonville, Fla.
Banks, George A.	Baltimore, Md.
Barrett, William A.	Jamaica, B. W. I.
Battis, Frisby C., Jr.	Harrisburg, Pa.
Bembry, Henry C., <i>A. B., Livingstone</i>	Plymouth, N. C.
Bennett, Jonathan R.	Jamaica, B. W. I.
Best, Edward E.	Alfred, N. Y.
Braithwaite, Harold M.	Bridgetown, B. W. I.
Brent, Clarence E.	Washington, D. C.
Briggs, Harry L.	Withfield, Va.
Brooks, Charles S., <i>A. B., Howard</i>	Washington, D. C.
Brooks, Walter A.	Washington, D. C.
Brown, Richard L.	Jacksonville, Fla.
Bruce, Whittington H.	Washington, D. C.
Carr, Arthur D.	Athens, O.
Coleman, William A.	New York, N. Y.
Cuff, Harlan A.	Wilmington, Del.
Cumberbatch, Graham I.	Barbados, B. W. I.
Edwards, Michael M.	St. Ann's Bay, B. W. I.
Ellis, John C.	Washington, D. C.
Evans, Elias G.	Live Oak, Fla.
Greenlee, Nello B.	New Haven, Conn.

Harvey, William J., <i>A. B., Atlanta Baptist College.</i>	Atlanta, Ga.
Haskins, George H., <i>A. B., Fisk</i>	Chicago, Ill.
Hawkins, Mingo H.	Cambridge, Mass.
Hilton, Louis A.	Newark, New Jersey.
Hodge, Orlando W.	Montgomery, W. Va.
Holmes, William F., <i>B. LL., Claflin University</i>	Florence, S. C.
Jones, Robert L.	Philadelphia, Pa.
Lee, Mattie V.	Bladensburg, Md.
Levy, Walter M.	Petersburg, Va.
Lowrie, Thomas L.	Dunnellon, Fla.
McDaniell, Robert A.	Kearneysville, W. Va.
McMechen, Harry B.	Wheeling, W. Va.
Mason, Edward S.	Barbados, B. W. I.
Mercado, Clement	Humacao, P. R.
Millard, Peter, <i>Phar. G., Howard</i>	British Guiana.
Muckleroy, Henry L.	Texarkana, Tex.
Noble, Dennis W.	Allen, Md.
Pierce, John W., <i>A. B., V. U. U.</i>	Hampton, Va.
Pride, Claiborne G.	Washington, D. C.
Rivers, David F., <i>A. B., Roger Williams</i>	Washington, D. C.
Roane, James E.	Newport News, Va.
Roberts, James H., <i>A. B., Howard</i>	Culpeper, Va.
Roulhac, Christopher M.	Atlanta, Ga.
Stella, Raphael	Patillas, P. R.
Scott, Walter L.	Florence, S. C.
Tankins, William M.	Washington, D. C.
Tudor, Murray D.	Barbados, B. W. I.
Vaughn, Roscoe M.	Springfield, O.
Velasco, Edward E.	New York, N. Y.
Washington, Louis C.	Meridian, Miss.
Wood, James H.	Harrisonburg, Va.

Freshmen.

Barco, Harry E., <i>A. B., Union University</i>	Portsmouth, Va.
Barkley, Winter J.	Eden, Md.
Blackwell, James H., <i>A. M., Lincoln</i>	Manchester, Va.
Browne, Henry A.	Charleston, S. C.
Bynoe, Geo. T.	Brooklyn, N. Y.
Chappell, Jr., George W.	Union Springs, Ala.
Corbin, Percy	Washington, D. C.
Cordice, John W. V.	St. Vincent, B. W. I.
Cox, Fitz M.	Barbados, B. W. I.
Cummings, Isaac N.	Jamaica, B. W. I.
Day, John G.	Baltimore, Md.
Forde, Samuel J. E.	Philadelphia, Pa.
Graham, Edinburgh	Aiken, S. C.
Greene, Thomas J.	Washington, D. C.
Hamlet, Joseph	Barbados, B. W. I.

SCHOOL OF MEDICINE

37

Herriot, Charles E.	Washington, D. C.
Hinkson, Gladstone M.	Brooklyn, N. Y.
Johnson, George F.	Williamsport, Pa.
Jones, John H.	Salisbury, Md.
Jones, Marie J.	Richmond, Va.
Josey, Thomas W.	Augusta, Ga.
Leftwich, Calais A., <i>A. M., Howard</i>	Washington, D. C.
Littlejohn, Richard D.	Columbus, Miss.
Mason, Alvin S., <i>A. M., Lincoln</i>	Farmville, Va.
Merritt, Charles D.	New Orleans, La.
Moore, Joseph G.	Sedalia, Mo.
Moore, Roscoe L.	Camden, N. J.
Pearl, Frank A.	Butte, Mont.
Porter, Jesse J.	Washington, D. C.
Price, Thomas A.	Jamaica, B. W. I.
Quander, Charles C.	Washington, D. C.
Reid, Thomas H.	Augusta, Ga.
Roberts, Evan W.,	Bridgetown, Barbados, B. W. I.
Roberts, William H.	Lynchburg, Va.
Robinson, Burton G. M.	St. Kitts, B. W. I.
Rose, Bert A.	Mechanicsburg, O.
Ross, Julian W., <i>A. B., Lincoln</i>	Savannah, Ga.
Shockley, Caleb W., <i>B. S.,</i> <i>Del. State College</i>	Ellendale, Md.
Sims, Jerome H.	Dallas, Tex.
Smith, Frederick D., <i>A. B.,</i> <i>Atlanta University</i>	Athens, Ga.
Snow, Joseph H.	Providence, R. I.
Stewart, Charles C.	Jamaica, B. W. I.
Stewart, Ralph B., <i>Phar. D., Howard</i>	Washington, D. C.
Stuart, William H.	Lexington, Va.
Tancil, Jr., Richard F.,	Richmond, Va.
Taylor, George W.	Louisville, Ky.
Tyson, Edwin F., <i>A. B., Harvard</i>	Washington, D. C.
Walker, Benjamin U.	Kingston, Jamaica, B. W. I.
Wellington, Joseph	British Guiana.
Williams, Jr., Albert P., <i>A. B., Lincoln</i>	Savannah, Ga.
Willis, Richard F. T.	Richmond, Va.
Wilson, Rosko, J.	Florence, S. C.
Woodfin, Manfred P.	Ironton, O.
Young, Curl A.	Cincinnati, O.

SCHOOL OF MEDICINE—DENTAL COLLEGE.

Seniors.

Anderson, Benjamin J., <i>B. S., Shaw</i>	Birmingham, Ala.
Connell, Austin C.	Jamaica, B. W. I.
Fraser, Stanley, A., <i>Phar. G.</i>	Jamaica, B. W. I.
Graham, Cyril	Barbados, B. W. I.
Harris, Walter E.	Petersburg, Va.
Wint, Amos O.	Jamaica, B. W. I.

Middle Class.

Bailey, Charles A.	New York, N. Y.
Biggs, Walter S.	Portsmouth, O.
Burton, Alberta S.	New Bern, N. C.
Charlton, Charles B.	Beaumont, Tex.
Dudley, Jr., Edward R.	New Bern, N. C.
Evans, Henry J.	Jamaica, B. W. I.
Freeman Louis B.	Washington, D. C.
Geary, John E., <i>A. B., Howard</i>	Savannah, Ga.
Johnson, Oscar R.	Scottsville, Va.
Lewis, Stephen J.	Manassas, Va.
Littlejohn, George B.	Columbus, Miss.
Marshall, Oscar W.	Staunton, Va.
Miller, Francis E.	Washington, D. C.
Reddick, Richard M.	Shellman, Ga.
Reed, Alfred S., <i>A. M., Roger Williams</i>	Brownsville, Tenn.
Rivera, Alexander McAllister	Durham, N. C.
Smith, Elliot M.	Birmingham, Ala.
Sykes, George J.	Wilmington, N. C.
Thurman, Frank S.	Jackson, Mich.
Watkins, Thomas	Cambridge, Mass.
Williams, Robert L.	Brooklyn, N. Y.

First Year Students.

Baker, John H. J.	Norfolk, Va.
Brown, James B.	Charleston, W. Va.
Cherry, Joseph B.	Columbia, S. C.
Clarke, Conrad F.	Brooklyn, N. Y.
Clayton, Troy	Hill Top, W. Va.
DeVore, Ephraim T. M.	Cathay, I. T.
Freeman, Carey V.	Fernandina, Fla.
Giles, William D.	Washington, D. C.
Gittens, William W.	Barbados, B. W. I.
Godfrey, William D.	Jamaica, B. W. I.
Goggins, Jean B.	Cokesburg, S. C.
Gouvea, Joseph B.	British Guiana.
Harvey, Joseph G., <i>A. B., Union University</i>	Portsmouth, Va.
Hymans, Adolph G.	Jamaica, B. W. I.
Jackson, Andrew L.	Steelton, Pa.
Jones, Oscar D.	Morehead City, N. C.
King, Quincy B.	Lawrenceville, Va.
Lattimore, John T.	Hampton, Va.
Lawrence, Isaac M., <i>A. B., Shaw</i>	Brooklyn, N. Y.
Lewis, Smith M.	Americus, Ga.
Lumsden, George F.	Jamaica, B. W. I.
Morrison, Moses A., <i>B. S., Howard</i>	Philipsburg, Pa.
Rance, Egerton L.	Jamaica, B. W. I.

SCHOOL OF MEDICINE

39

Roberts, James W. O.	Washington, D. C.
Scott, Henry T.	Natchez, Miss.
Smith, Edward W.	New York, N. Y.
Tancil, Park	Alexandria, Va.
Washington, Anthony B.	Thomasville, Ga.
Wilkins, Jesse M., <i>A. B., Shaw</i>	Dunn, N. C.
Willis, Linford R.	Buxton, Ia.

SCHOOL OF MEDICINE—PHARMACEUTIC COLLEGE.

Seniors.

Bailey, Paul N.	Fayetteville, N. C.
Baskerville, William H.	Boynton, Va.
Boston, Joseph D.	Baltimore, Md.
Butcher, George H.	Carlisle, Pa.
Ford, William H.	Corpus Christi, Tex.
Forsythe, William A.	Augusta, Ga.
Houston, Evelyn G.	Atlanta, Ga.
McNeill, Luther E., <i>A. B., Howard</i>	Wilmington, N. C.
Matthews, Richard W.	Petersburg, Va.

Middle Class.

Bacchus, Frank Van	Richmond, Va.
Brown, Lewis J.	Brooklyn, N. Y.
Butler, Robert W.	Jacksonville, Fla.
Crews, Minnie A.	Washington, D. C.
Fitzgerald, John L.	Baltimore, Md.
Greene, William F.	Baltimore, Md.
Hailstorks, Charles W.	Washington, D. C.
Howley, Eugene E.	Cambridge, Mass.
Hutchins, Raphael H.	New York, N. Y.
Moore, Chas. W., <i>A. B.,</i> <i>New Orleans University</i>	New Orleans, La.
Rice, Charles F. W.	Gastonia, N. C.
Richardson, John D., <i>A. B.,</i> <i>Livingstone</i>	Maryville, Tenn.
Shaw, Clarence E.	Hunterville, N. C.
Simmons, Walter C.	Washington, D. C.
Terrell, Alexander	Harrisonburg, Va.
Thomas, Archibald S. H. S.	Baltimore, Md.
Thompson, Hetta H. H.	Mobile, Ala.
Whitehead, Clara W.	St. Simon's Mill, Ga.

Freshmen.

Bell, Chester C.	Altoona, Pa.
Bynum, James H., <i>A. B., Lincoln</i>	Wilson, N. C.
Campfield, Reginald Q.	Little Rock, Ark.
Catlett, Sherwood L.	Washington, D. C.

Cogbill, Harvey P.
Dade, Lemuel C.
Dickerson, Enoch W.
Downing, Andrew K.
Flagg, Charles H.
Giles, Robert E.
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Turner, Samuel E.
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Wright, Lee D.

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Washington, D. C.
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41

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Name Age

Address

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Underscore what you wish to study, Medicine, Dentistry or Pharmacy.

How many years primary education have you had?.....

How many years in High or Normal School, Seminary or Academy?

Have you a Diploma, Teachers' or Civil Service Certificate?.....

Where and when received.....

State in number of months the time you have spent in studying the following:

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